

28 Rec'd PCT/PTO 13 NOV 1998

SHEET 1 OF 5

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. VANMA83.001APC	APPLICATION NO. 09/077,173
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Communi et al.	
		FILING DATE May 21, 1998	GROUP Unknown 1644

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 95/10538	04/20/95	PCT				
	WO 96/38558	12/05/96	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
A	Barnard, et al., "G protein-coupled receptors for ATP and other nucleotides: a new receptor family", TIPS 15:67-70 (1994)	
	Boarder, et al., "G protein-coupled P <sub>2</sub> purinoceptors: from molecular biology to functional responses", TIPS 16:133-139 (1995)	
C	Boyer, et al., "Differential effects of P <sub>2</sub> -purinoceptor antagonists on phospholipase C- and adenylyl cyclase-coupled P <sub>2Y</sub> -purinoceptors", Br. J. Pharmacol. 113:614-620 (1994)	
D	Brake, et al., "New structural motif for ligand-gated ion channels defined by an ionotropic ATP receptor", Nature 371:519-523 (1994)	
E	Brown, et al., "Evidence that UTP and ATP Regulate Phospholipase C through a Common Extracellular 5' -Nucleotide Receptor in Human Airway Epithelial Cells", Molecular Pharmacology 40:648-655 (1991)	
F	Communi, et al., "Cloning and Functional Expression of a Human Uridine Nucleotide Receptor", J. Biol. Chem. 270(52):30849-30852 (1995)	

EXAMINER	DATE CONSIDERED 4-7-00
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

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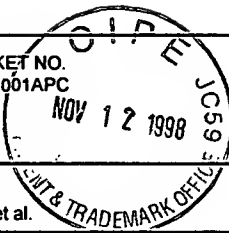
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<i>[Signature]</i>	G	Communi, et al., "Coexpression of P <sub>2Y</sub> and P <sub>2U</sub> Receptors on Aortic Endothelial Cells", Circulation Research 76(2):191-198 (1995)
<i>[Signature]</i>	H	Devereus, et al., "A comprehensive set of sequence analysis programs for the VAX", Nucleic Acids Research 12(1):387-395 (1984)
<i>[Signature]</i>	I	Erb, et al., "Functional expression and photoaffinity labeling of a cloned P <sub>2U</sub> purinergic receptor", Proc. Natl. Acad. Sci. USA 90:10449-10453 (1993)
<i>[Signature]</i>	J	Erb, et al., "Site-directed Mutagenesis of P <sub>2U</sub> Purinoceptors", J. Biol. Chem. 270(9):4185-4188 (1995)
<i>[Signature]</i>	K	Filtz, et al., "Expression of a Cloned P <sub>2Y</sub> Purinergic Receptor that Couples to Phospholipase C", Molecular Pharmacology 46:8-14 (1994)
<i>[Signature]</i>	L	Fredholm, et al., "VI. Nomenclature and Classification of Purinoceptors", Pharmacological Reviews 46(2):143-156

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 4-3-00
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





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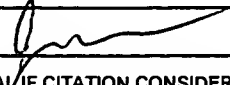
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	M	Harrison, et al., "cDNA cloning of a G-protein-coupled receptor expressed in rat spinal cord and brain related to chemokine receptors", <i>Neuroscience Letters</i> 169:85-89 (1994)
	N	Henderson, et al., "Cloning and Characterization of a Bovine P <sub>2y</sub> Receptor", <i>Biochem. and Biophys. Research Comm.</i> 212(2):648-656 (1995)
	O	Kaplan, et al., "Identification of a G Protein Coupled Receptor Induced in Activated T Cells", <i>J. Immun.</i> 151(2):628-636 (1993)
	P	Lazarowski, et al., "Identification of a Uridine Nucleotide-selective G-protein-linked Receptor That Activates Phospholipase C", <i>J. Biol. Chem.</i> 269(16):11830-11836 (1994)
	Q	Libert, et al., "Selectiva Amplification and Cloning of Four New Members of the G Protein-Coupled Receptor Family", <i>Science</i> 244:569-572 (1989)
	R	Lustig, et al., "Expression cloning of an ATP receptor from mouse neuroblastoma cells", <i>Proc. Natl. Acad. Sci. USA</i> 90:5113-5117 (1993)

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S		Motte, et al., "Evidence that most High-affinity ATP binding sites on aortic endothelial cells and membranes do not correspond to P <sub>2</sub> receptors", Eur. J. Pharm. 307:201-209 (1996)
	T	Nomura, et al., "Molecular cloning of cDNAs encoding a LD78 receptor and putative leukocyte chemotactic peptide receptors", International Immun. 5(10):1239-1249 (1993)
U		O'Connor, et al., "Further subclassification of ATP receptors based on agonist studies", TIPS 12:137-141 (1991)
V		Parr, et al., "Cloning and expression of a human P <sub>2U</sub> nucleotide receptor, a target for cystic fibrosis pharmacotherapy", Proc. Natl. Acad. Sci. USA 91:3275-3279 (1994)
W		Rice, et al., "Cloning and Expression of the Alveolar Type II Cell P <sub>2U</sub> -Purinergic Receptor", Am. J. Respir. Cell Mol. Biol. 12:27-32 (1995)
X		Seifert, et al., "Involvement of pyrimidinoceptors in the regulation of cell functions by uridine and by uracil nucleotides", TIPS 10:365-369 (1989)

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Y		Stam, et al., "Molecular cloning and characterization of a novel orphan receptor ( $P_{2u}$ ) expressed in human pancreas that shows high structural homology to the $P_{2u}$ purinoceptor", <i>FEBS Letters</i> 384:260-264 (1996)	
Z		Tokuyama, et al., "Cloning of Rat and Mouse $P_{2u}$ Purinoceptors", <i>Biochem. and Biophys. Research Comm.</i> 211(1):211-218 (1995)	
AA		Valera, et al., "A new class of ligand-gated ion channel defined by $P_{2u}$ receptor for extracellular ATP", <i>Nature</i> 371:516-519 (1994)	
BB		Velu, et al., "Retroviruses Expressing Different Levels of the Normal Epidermal Growth Factor Receptor: Biological Properties and New Bioassay", <i>J. Cell. Biochem.</i> 39:153-166 (1989)	
CC		Webb, et al., "Cloning and functional expression of a brain G-protein-coupled ATP receptor", <i>FEBS Letters</i> 324(2):219-225 (1993)	
DD		Zeng, et al., "Molecular characterization of a rat $\alpha_{2B}$ -adrenergic receptor", <i>Proc. Natl. Acad. Sci. USA</i> 87:3102-3106 (1990)	

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